



1999 Toxics Release Inventory

NORTH CAROLINA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	60,894,966	90,821,366	151,716,332
Air Emissions	42,196,361	81,533,885	123,730,246
Surface Water Discharges	9,100,746	79,751	9,180,497
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	104,632	0	104,632
Other On-site Land Releases	9,493,227	9,207,730	18,700,957
Off-site Releases (Transfers Off-site to Disposal)*	6,226,869	407,330	6,634,199
Total On- and Off-site Releases	67,121,835	91,228,696	158,350,531
Recycled On-site	327,414,744	30,911	327,445,655
Recycled Off-site	84,106,160	909,234	85,015,394
Energy Recovery On-site	32,825,939	0	32,825,939
Energy Recovery Off-site	11,149,800	355,583	11,505,383
Treated On-site	136,464,165	3,454,767	139,918,932
Treated Off-site**	5,170,785	1,531,722	6,702,507
Quantity Released On- and Off-site***	67,054,426	91,477,122	158,531,548
Total Production-related Waste Managed	664,186,019	97,759,339	761,945,358
Total Non-production-related Waste Managed	850,800	3,936	854,736

Transfers Off-site for Further Waste Management/Disposal

Recycling	73,100,423	892,525	73,992,948
Energy Recovery	10,692,097	330,581	11,022,678
Treatment	2,314,647	1,476,183	3,790,830
Publicly Owned Treatment Works (POTWs)	2,787,203	1,341	2,788,544
Metals and Metal Compounds*	45,705	510	46,215
Non-metal TRI Chemicals**	2,741,498	831	2,742,329
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	6,693,240	549,475	7,242,715
Total Transfers Off-site for Further Waste Management/Disposal	95,587,610	3,250,105	98,837,715

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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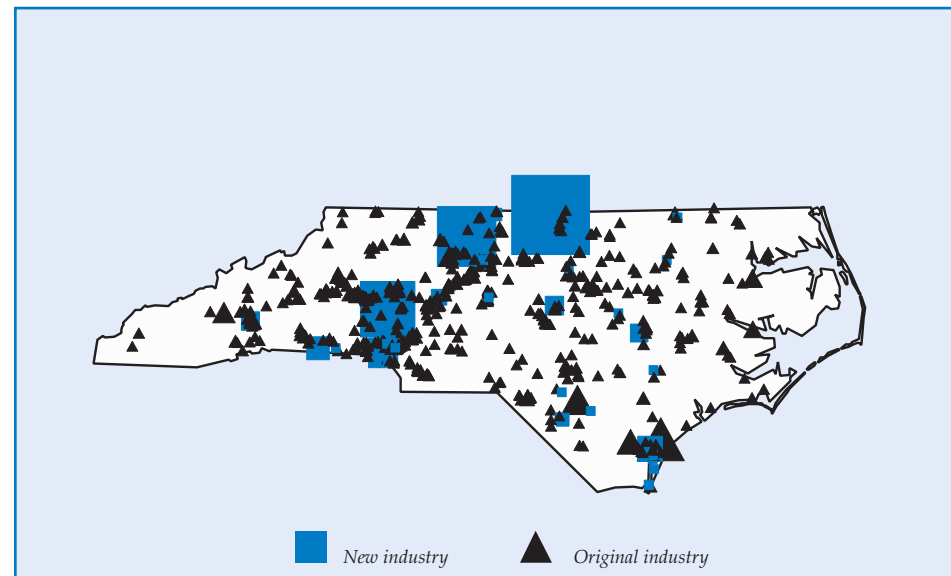
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):

(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of North Carolina. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	7,650,789
Square Miles	48,718
Total Facilities	833
Total Forms	2,740
Form As	558

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	12	8	11
Pounds	67,121,835	91,228,696	158,350,531
National Rank for Total On-site Releases**			
Rank	12	7	9
Pounds	60,894,966	90,821,366	151,716,332
National Rank for Total Releases within State***			
Rank	12	8	12
Pounds	66,566,674	90,972,584	157,539,258
National Rank for Production-related Waste Managed			
Rank	9	17	12
Pounds	664,186,019	97,759,339	761,945,358

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	9,136,067	64,609	0	17,781	12,751	9,231,208	143	10,657	2,094
--	Chromium compounds	7,040	578	0	8,900,003	132,815	9,040,436	18,034	123,289	9,526
--	Nitrate compounds	262	7,872,921	0	39,678	397,159	8,310,020	1,955	397,120	39
108-88-3	Toluene	5,276,212	48	0	403	112,812	5,389,475	10,301	112,092	720
7664-41-7	Ammonia	3,841,616	657,571	0	10,082	12,605	4,521,874	563	11,605	1,000
7647-01-0	Hydrochloric acid	2,473,480	0	0	0	317,530	2,791,010	0	0	317,530
110-54-3	n-Hexane	2,467,155	0	0	0	17	2,467,172	10,800	10	7
78-93-3	Methyl ethyl ketone	2,188,177	551	0	8,023	13,080	2,209,831	82,047	11,029	2,051
75-09-2	Dichloromethane	2,160,381	10	0	0	13,843	2,174,234	1,241	12,250	1,593
100-42-5	Styrene	1,755,549	0	0	0	81,400	1,836,949	0	80,867	533

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	74,102,036	0	0	0	0	74,102,036	0	0	0
--	Barium compounds	45,151	33,222	0	4,867,035	138,030	5,083,438	4,269	150,025	5
7664-39-3	Hydrogen fluoride	3,933,035	0	0	0	0	3,933,035	0	0	0
7664-93-9	Sulfuric acid	3,126,384	0	0	0	0	3,126,384	0	0	0
--	Copper compounds	6,396	4,199	0	882,030	30	892,655	0	2,220	10
--	Manganese compounds	10,505	16,930	0	752,030	30	779,495	351	1,320	10
--	Chromium compounds	8,928	1,297	0	651,730	30	661,985	3	1,220	10
--	Zinc compounds	19,337	1,682	0	631,020	270	652,309	3	2,065	5
--	Arsenic compounds	12,213	14,895	0	519,020	20	546,148	3	1,515	5
--	Nickel compounds	7,762	1,517	0	491,020	20	500,319	0	1,215	5

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Occidental Chemical Corp., Castle Hayne, New Hanover	5,984	59	0	0	0	8,900,003	8,906,046	0	2,310
Smithfield Packing Co. Inc. - Tar Heel Div., Tar Heel, Bladen	22,505	5,161,753	0	0	0	0	5,184,258	0	0
International Paper, Riegelwood, Columbus	3,350,914	392,090	0	0	95,169	122,337	3,960,510	0	0
Blue Ridge Paper Prods. Inc., Canton, Haywood	2,741,511	91,152	0	0	0	0	2,832,663	268,677	0
Weyerhaeuser Co., Plymouth NC Mill, Plymouth, Martin	1,928,993	149,307	0	0	0	105,621	2,183,921	0	0
Shurtape Techs. Inc., Hickory Tape Plant, Hickory, Catawba	2,031,058	0	0	0	0	0	2,031,058	38,021	0
PCS Phosphate Co. Inc. Aurora Div., Aurora, Beaufort	1,826,374	0	0	0	0	12	1,826,386	0	0
Du Pont Cape Fear, Leland, Brunswick	1,240,234	483,750	0	0	0	1,795	1,725,779	27,455	25,745
Weyerhaeuser, Vanceboro, Craven	957,240	72,245	0	0	0	1,025	1,030,510	0	0
Railroad Friction Prods. Corp., Maxton, Scotland	960,076	13	0	0	0	0	960,089	98,000	12

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Roxboro Steam Electric Plant, Semora, Person	19,295,190	5,474	0	0	0	2,094,700	21,395,364	0	0
Duke Energy Belews Creek Steam Station, Walnut Cove, Stokes	14,639,075	3,971	0	0	0	838,655	15,481,701	55	0
Duke Energy Marshall Steam Station, Terrell, Catawba	12,397,670	6,000	0	0	0	1,773,155	14,176,825	57	0
Mayo Electric Generating Plant, Roxboro, Person	7,695,607	7,088	0	0	0	784,800	8,487,495	22,050	0
Duke Energy Plant Allen, Belmont, Gaston	5,470,125	17,071	0	0	0	883,045	6,370,241	0	40
L. V. Sutton Plant, Wilmington, New Hanover	4,406,495	5,086	0	0	0	574,000	4,985,581	0	0
Duke Energy, Cliffside Steam Station, Cliffside, Rutherford	3,875,025	17,991	0	0	0	410,040	4,303,056	40	0
Cape Fear Steam Electric Plant, Moncure, Chatham	2,652,444	381	0	0	0	361,000	3,013,825	0	0
Asheville Plant, Arden, Buncombe	2,416,916	7,022	0	0	0	501,000	2,924,938	0	0
H.F. Lee Steam Electric Plant, Goldsboro, Wayne	2,366,576	2,945	0	0	0	375,000	2,744,521	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Occidental Chemical Corp., Castle Hayne, New Hanover	0	0	0	0	0	0	8,900,000	8,900,000	8,000
Smithfield Packing Co. Inc. - Tar Heel Div., Tar Heel, Bladen	0	0	0	0	2,312,375	0	5,184,107	7,496,482	0
International Paper, Riegelwood, Columbus	0	0	7,693,787	0	14,302,549	0	4,497,121	26,493,457	1
Blue Ridge Paper Prods. Inc., Canton, Haywood	0	0	10,366,000	0	4,951,802	0	3,123,770	18,441,572	0
Weyerhaeuser Co., Plymouth NC Mill, Plymouth, Martin	61,974	0	0	240	18,360,833	0	2,183,921	20,606,968	0
Shurtape Techs. Inc., Hickory Tape Plant, Hickory, Catawba	18,945,592	0	0	47,284	0	0	2,091,903	21,084,779	0
PCS Phosphate Co. Inc. Aurora Div., Aurora, Beaufort	0	0	0	0	0	0	1,826,386	1,826,386	0
Du Pont Cape Fear, Leland, Brunswick	0	0	383,050	3,292,734	1,426,464	0	1,778,979	6,881,227	0
Railroad Friction Prods. Corp., Maxton, Scotland	853,300	0	0	0	0	0	1,058,000	1,911,300	0
Weyerhaeuser, Vanceboro, Craven	0	0	330,430	0	17,770,730	0	1,030,340	19,131,500	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Roxboro Steam Electric Plant, Semora, Person	0	0	0	0	12,000	0	21,475,000	21,487,000	120
Duke Energy Belews Creek Steam Station, Walnut Cove, Stokes	0	0	0	0	183,000	0	15,485,000	15,668,000	11
Duke Energy Marshall Steam Station, Terrell, Catawba	0	0	0	0	60,000	0	14,178,000	14,238,000	11
Mayo Electric Generating Plant, Roxboro, Person	0	0	0	0	0	0	8,510,300	8,510,300	10
Duke Energy Plant Allen, Belmont, Gaston	0	0	0	0	42,000	0	6,369,400	6,411,400	9
L. V. Sutton Plant, Wilmington, New Hanover	0	0	0	0	0	0	4,992,000	4,992,000	0
Duke Energy, Cliffside Steam Station, Cliffside, Rutherford	0	0	0	0	20,000	0	4,307,000	4,327,000	9
Cape Fear Steam Electric Plant, Moncure, Chatham	0	0	0	0	0	0	3,022,000	3,022,000	0
Asheville Plant, Arden, Buncombe	0	0	0	0	0	0	2,916,000	2,916,000	0
H.F. Lee Steam Electric Plant, Goldsboro, Wayne	0	0	0	0	0	0	2,740,000	2,740,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.